

Anti-RUFY1 antibody



Description	Rabbit polyclonal to RUFY1.
Model	STJ95553
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RUFY1
Immunogen Region	110-190 aa, Internal
Gene ID	80230
Gene Symbol	RUFY1
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	RUFY1 Polyclonal Antibody detects endogenous levels of RUFY1 protein.
Tissue Specificity	Broadly expressed, with highest levels in lung, testis, kidney and brain.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	RUN and FYVE domain-containing protein 1 FYVE-finger protein EIP1 La-binding protein 1 Rab4-interacting protein Zinc finger FYVE domain-containing protein 12
Molecular Weight	80 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:197600MIM:610327
Alternative Names	RUN and FYVE domain-containing protein 1 FYVE-finger protein EIP1 La-binding protein 1 Rab4-interacting protein Zinc finger FYVE domain-containing protein 12
Function	Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in early endosomal trafficking.
Sequence and Domain Family	The FYVE-type zinc finger domain mediates interactions with phosphatidylinositol 3-phosphate in membranes of early endosomes and penetrates bilayers. The FYVE domain insertion into PtdIns(3)P-enriched membranes is substantially increased in acidic conditions.
Cellular Localization	Cytoplasm. Early endosome membrane. Peripheral membrane protein.
Post-translational Modifications	Phosphorylation on Tyr-389 and/or Tyr-400 is required for interaction with BMX and endosomal targeting.